

For Research Use Only

CLN3 Polyclonal antibody

Catalog Number: 20386-1-AP



Basic Information

Catalog Number:	BC002394	GenBank Accession Number:	Purification Method:
20386-1-AP	1201	Antigen affinity purification	
Size:	GenID (NCBI):	Recommended Dilutions:	
150ul, Concentration: 300 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;	Q13286	WB 1:500-1:3000 IHC 1:20-1:200 IF/ICC 1:10-1:100	
Source:	Full Name:		
Rabbit	ceroid-lipofuscinosis, neuronal 3		
Isotype:	Calculated MW:		
IgG	438 aa, 48 kDa		
Immunogen Catalog Number:	Observed MW:		
AG14224	45-48 kDa		

Applications

Tested Applications:	Positive Controls:
WB, IHC, IF/ICC, ELISA	WB: Jurkat cells, SH-SY5Y cells, Raji cells
Species Specificity:	IHC: human brain tissue,
human, mouse, rat	IF/ICC: HepG2 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Neuronal ceroid lipofuscinosis (NCL, or Batten disease) refers to a group of lethal pediatric neurodegenerative diseases originating from mutations in one of the thus far identified 13 CLN genes (Ceroid Lipofuscinosis, Neuronal type; CLN1 to CLN14) (PMID: 25051496). CLN3 is a multi-membrane spanning protein that is involved in microtubule-dependent, anterograde transport of late endosomes and lysosomes. The CLN3 gene is located on chromosome 16p12.1and produces three mRNA splicing variants. The 438-amino-acid CLN3 protein has a calculated molecular weight of 48 kDa. It has been reported that CLN3 can be glycosylated and form homodimeric complex (PMID: 10356317; 17286803).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

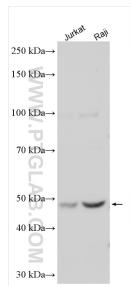
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20386-1-AP (CLN3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.

